

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-775 REV. A  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-775 REV. 0

REF. TCCA STC SH08-53  
REF. FAA STC SR02692NY  
REF. EASA STC EASA.IM.R.S.01529

The D3609-1 doubler that is included in D412-775-015 kits at CHG 002 and later has been upgraded to include a bevelled edge on the top side that better protects the honeycomb core below the fuel cap from damage during refueling. The IIN/ICA documents are affected as follows:

## IS:

### **INSTALLATION INSTRUCTIONS IIN-D412-775 REV. A, SECTION 3.3**

3.3.3 Locate D3609-1 Doubler per Figure 5. Transfer drill #28 ( $\varnothing 0.141$ ") existing rivet holes from the aircraft to the D3609-1 Doubler as shown in Figure 5. Pitch drill #28 ( $\varnothing 0.141$ ") rivet holes 10 places from the D3609-1 Doubler to the aircraft skin as shown in Figure 1 of this DSI 9555.

**NOTE:** It is acceptable to trim down the D3609-1 Doubler to fit and remove bevel per customer preference.

### **INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-775 REV. 0, SECTION 53.6**

53.6.3 Locate D3609-1 Doubler per Figure 53-4. If the D3609-1 doubler is being replaced, transfer drill #28 ( $\varnothing 0.141$ ") rivet holes from the aircraft to the D3609-1 Doubler as shown in Figure 53-4.

**NOTE:** It is acceptable to trim down the D3609-1 Doubler to fit and remove bevel per customer preference.

## WAS:

### **INSTALLATION INSTRUCTIONS IIN-D412-775 REV. A, SECTION 3.3**

3.3.3 Locate D3609-1 Doubler per Figure 5. Transfer drill #28 ( $\varnothing 0.141$ ") existing rivet holes from the aircraft to the D3609-1 Doubler as shown in Figure 5. Transfer drill #28 ( $\varnothing 0.141$ ") rivet holes using pilot holes in the D3609-1 Doubler to the aircraft skin as shown in Figure 5.

**NOTE:** It is acceptable to trim down the D3609-1 Doubler to fit.

### **INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-775 REV. 0, SECTION 53.6**

53.6.3 Locate D3609-1 Doubler per Figure 53-4. If the D3609-1 doubler is being replaced, transfer drill #28 ( $\varnothing 0.141$ ") existing rivet holes from the aircraft to the D3609-1 Doubler as shown in Figure 53-4.

**NOTE:** It is acceptable to trim down the D3609-1 Doubler to fit.

## REVISED WEIGHT AND BALANCE




| INSTALLATION                   | Weight  | LATERAL  |             | LONGITUDINAL |             |
|--------------------------------|---------|----------|-------------|--------------|-------------|
|                                |         | Arm      | Moment      | Arm          | Moment      |
| D412-775-015                   | 1.44 lb | +41.5 in | +59.8 in lb | 172 in       | 247.7 in lb |
| Fuel Panel Protective Trim Kit | 0.65 kg | +1.05 m  | +0.68 m kg  | 4.37 m       | 2.84 m kg   |

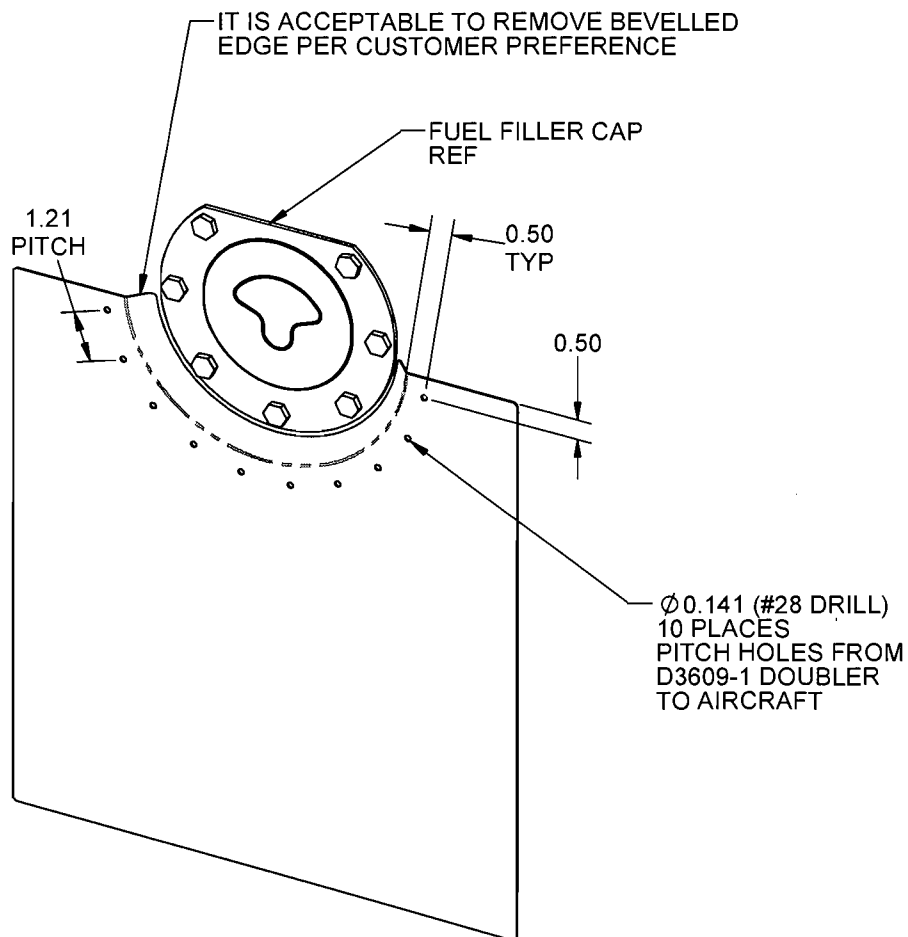
CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 11.04.29  
CERT. NO.: SH08-53  
ISSUE NO.: 1

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|------------|---|---|--------------|
| A          | NEW ISSUE   | RF  | 11.04.29     |
| REV.       | DESCRIPTION   | BY  | DATE         |
| DESIGN     | RF  | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA  |              |
| DRAWN      | RF  |   |              |
| CHECKED    |  | DRAWING NO.   | REV. A       |
| MFG. APPR. | N/A   | DSI 9555  | SHEET 1 OF 2 |
| APPROVED   |  | TITLE   | SCALE        |
| DE APPR.   |  | FUEL PROTECTIVE TRIM CHG  | NTS          |
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**FIGURE 1. D3609-1 DOUBLER INSTALLATION**

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

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| MFG. APPR. | N/A                | <b>DSI 9555</b>   | SHEET 2 OF 2 |
| APPROVED   | <i>[Signature]</i> | TITLE   | SCALE        |
| DE APPR.   | <i>[Signature]</i> | <b>FUEL PROTECTIVE TRIM CHG</b>   | NTS          |
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